PROCESS AND APPARATUS FOR FAST ASSIGNMENT OF OBJECTS TO A RECTANGLE

ABSTRACT OF THE DISCLOSURE

Objects are assigned to points in a
5   rectangle by dividing the rectangle is divided into a plurality of smaller rectangles and applying an object assignment procedure, such as Kuhn's algorithm, to initially assigned objects in each second rectangle. The initial assignment is
10   performed by calculating a maximal cost of assignment of objects to points, and selecting an assignment of objects having a minimum value of maximal cost, identified by iteratively recalculating the maximal matching assignment based on a midpoint of between the
15   minimum and maximum costs.